IAP16 Rec'd PCT/PTO 26 SEP 2006
10/594146

SEQUENCE LISTING

<110> Locomogene, Inc.

<120> Decoy nucleic acid against syobiolin promoter

<130> PCT05-0020

<150> JP 2004-92570
<151> 2004-03-26

<160> 14

<170> PatentIn version 3.2

<210> 1
<211> 3046
<212> DNA
<213> Mus musculus

<400> 1
gcaagagacc ttattttgtt tttcgagaca gggtttctct gtgtagccct ggctgtccta 60

gaactcactc tgtagaccag gctggcctcg aactcagaaa tccgcctgcc tctgcctccc 120

gagtgctggg attaaaggta ggcgccacca cgcccagctt ttttttttt agataggatc 180

tcactctata gctgtacgct ggcctcagat ttatgatgct cttcctgcct cagtctccca 240

attttctggg attgtaggag tgggccacta tgctctgctc actacatgat ttcagaggtt 300

gagtagacct gaactgaaga ccagacaagg gagccctccc tcgacatctt ggggccaggg 360

aagttgaagc cataggatca gaggaaatgt ggcaagaaaa aaggccaaca tggacacaga 420

acttaaataa aaacagacag aggaagtaag acagatatat acctggggga gaggagggat 480

tgccacaaaa tgtaggagat tttcaagaat gggggaggat gagtgtgtag ggttaaaggt 540

agccagtaga agttcatagc tagccttatg gaggaaggaa aggggagcca tctcgggatg 600

ttaactgtta aagacaacag gtggtggtga agatggctga gaccaagagc acagggctga 660

ggggcagaca ggcactgaca ctgctaccct ttaatacagt tcctcctgtt gtgatcccca 720

accataatta cttcgttgct acttcataac tgtaattttg ctagttatga attgtaagta 780

aacgtctgat atgcaggata tctcatttgt gacccctgtg taacggtttg attcccaaag 840

ggcttacgac tcacaggttg agagccagcc actgccttaa agtcgtctag aatcagtttt 900

ctttcttttt tgacagacaa gatgtttaat tccgttgtac tgaaggaaag ccattttatg 960

tatttttctt aagtgctcta tcagtaatga caattctgaa agcccctgtg ttatatttta 1020

acaacacagt cacctccggt tctgtattca ctgtccgtgt tgtgactccc acagtataaa 1080

ttcctccagt tgatcttcat gaattcttat atttgatccc ccccccccct aggcctctga 1140

attccgagtg agtccgagtt aaaaatggga ggagcaccct ctagctgata aacctgggta 1200

atgaggtgtc cgctttcagt ttccattctg tacgcgacta tactgcttgt gtgagcccta 1260

acagacagaa tcagctcaga acaaagggtc tggctatctc ccagggatga acacgcacgc 1320

cgactgagct tttggggtgt tgaaaagtca acgccttcgc acagaactct ccaccccaac 1380

ctagaaataa ctggcgttct gttttatgtc agtccggaca cgcaagcact gctccttttg 1440

cgggcccccgt aagcatcccc ccaggcggga tagggatccc cggcctatgg actgcgcttt 1500

ctcagctggc atccagctgc cttggcaccc agtccggggc cactctgcct acagacccta 1560

gcaaccactc acctgctttt ctttccctat aggccagaaa tttttccttt cttttctcat 1620

tggtccgcgt aactttatcg caaccaatcg gcggtacacg ggaacaaact cactcctaca 1680

caacctgcgt tgggggggagg taacctggga agacctatat ctgttttctg caccgctatt 1740

ttttccgag aagcacttaa cttcttaccg tgtcgtagct atccctggaa tgaggcgctt 1800

acacatttta tttctttcat gcctgacata aagtctggcc cttgctcgct cctgcccccc 1860

gtccaaatgg ctcggcccgc ggaacgccca tcttccaggc acattgagag ccggagtctt 1920

ggagggagtt tagggtggtg attctacaac ggcgactagc aagtggcggg cttcagccct 1980

ttcccgctgc tctcctggtc gcgaccacac gtcacagctc tcgctcgttc cggttgctcg 2040

cgcaggggct ggggagtgtt gttaaccgga gcggctgccg cagtcgcggt gattgagcgt 2100

actccgccgc gccccgcgcc gccggaagtg aggtgtctta cccccgaagt tccggttcgc 2160

agggggtggg gagtgttgtt aaccggagcg gctgccgcag tcgcggtgat tgagcgtgct 2220

cgcggcgctg ggctcctggt gagtgggcct ggtcctgatt ggggttgggg ggtcggcgtc 2280

taggaccttg tcctttgggg tcactgcgat cagcccgccc cgctgcgttc ggccgccagt 2340

tttcggcctg tcagatggct ggagacctta ggcggcggcg cggccaccgt tccagaggcc 2400

gggccccgcc tgcgaggttc gcaactccta gcgttcacag gtgcgcgact gtgaggcgac 2460

ctgactggtt ctcagccccg ccgccgcacc ctggcggtcg gccgtttctc cggttctcag 2520

agtggacact gctgggggcg gggggggggg cagggttcca gactgacgta ccccgatggg 2580

cgcgcgtctg cgctgaccac cctggcacag ctgtcactgg ttgtgtcgcc ttctcaagct 2640

gtgccctctg caccttgcct cctccacccc tggcgggccc agcgaacctg cctctaaagc 2700

ctatcatccc agctccttca gagggtcagc ggtggcagcc cccctcctcc taactttgcc 2760

tcagtgactc cctagaggag gcgccttggc agacagcgtg gaagagccct agatttgaaa 2820

cgagattgat ccaagttcta ggccttgcat cagtgtgagc ctctaacccc tttgagtcct 2880

agtttctcgt ttgtgaaaca gggagtatat gctgttttga atctaatggc tgtcaaggtg 2940

aaatgagtgt ttgcccttac actctgccag ggactgtgct aggtttacat agtgtggata 3000

tcacaaatgt cattttcctt gtgcaggtct ctgggccagg gcgatg 3046

<210> 2
<211> 3092
<212> DNA
<213> Homo sapiens

<400> 2
ttggctcata acctcacttc ctttaagtct ttgctcaaat gtcaccttct caaggaagct 60

tacccgatta tcctcgctga tactgcaacc agcttcaagt accccaccac atcctgatcc 120

cctttattct gttctacttt tttcctatag cactgatcat cttccagcgt attagatttt 180

tcacttatgt ctgtggtttg ctgtcacatc tactaggata agctccacaa aggtagagat 240

ctttattttg ttcactgaca tcctaagtcc ctagaacagg agacacttga tccatatttg 300

tagactaact gaataaatga cttaattacc agtttggatg tgggggcaga tagtgagcat 360

gatgcccgtt tccggagctg gggtgcagac agtgtctagg gacactgaac tgttttaaaa 420

gcaggataga tcccggctgg agaccacaca aggaaatcat cagcacctgg gtcaggggct 480

ggactggagc agaggaaatc atgcaggaaa agtaaagaga aggacatcag gtaaagagaa 540

gaggacacat gcatagccag agagaaaaga ggagcagagg catgtggatc acagaagctt 600

agggaggaga ctttcaagaa ggggagagag gttgagtcaa gcaagggctg aaagccaacc 660

attggatgca gtcactagaa agttacagat aggcaaggtg ttgtggctca cgcctgtaat 720

cccaacacct tgtggggctg aggtgggagg atcgcttgag cccgggaggt cgaggctgca 780

atgagccctg atggcgccaa tgcactccag cctgggcgac agagcaagac cctgtcgcaa 840

aaattaataa ataaataaat aaaaagaaaa gggggaaaaa aagttatacg tggccttacg 900

gggaagccaa ctctgactgg ttataagctg aaactgtcaa gtcaacaggt ggcagggaag 960

atggctgaga ccaacagcac agagatttag aggcagacag acctggcgcc aatcctagga 1020

caggttttgg taagcctttg aatttcaatt gccccacgtt tcgggggagg gggtagcacc 1080

ccctagctca taaaccttag tgattgatga ttaaatgaga tgacggagga aaacgcaagg 1140

cacaaagtgg atgcattagc tccattttgt taatcagcag gcttagttgg ctgcgaccca 1200

gacacgaact aaaatacagt gcagcccagg accagtgggg gtcttgctta tggctcagag 1260

ctgaacaaca catgggcagc aaaatcagac actgagatgc gggcaggcct gcgacgctga 1320

agtcaattcc tttgaacaaa cagaacactt ccgtcccaag attagcagga attaatctcc 1380

cagtctcggg tacacctggt tgtccctccc tgtcctggcg cggcaaacgt tcccggaggc 1440

cagccaggga tcactcgccc aaggactgag ctttccctac tctcagccaa ctggagcggg 1500

accagggcct aggcaacgca gctgtccgcc cctaacaacc actcacctgc tttccccttt 1560

ctataggcca gcaaaggtac attctttttc ttattgggcc gcgtaactta tcgcaaccaa 1620

tcagtggcag ccacgggacc caactcactc ccacacaact tgtgggggtg atcatggaga 1680

agacaaattt ttgttttccg catccagttc tctcagagag caccgtattt gtcaaactgt 1740

tgtgactctc cctaaatgtt taagaaaaca tttcattccc ctcaggcttg tatagtctgt 1800

ccctggccta ctccccgctc caggtggtac agcccgcaag cggctcccct tcccagctgc 1860

tcgcggggcc gagtccccca gtccgaggag gccactcagc gcaggagcca taccatctgt 1920

gactaataaa taatagggggg acctccgact ccccccctgtt gccttattac cttccgacca 1980

cctctcggac ctcttgccca gcccttcccc gtagacatca ccccagatac ggtggtgaca 2040

ccattgctat gggcccacgt agggcgcagt gcgagccagg gcaggacgca cttggtacga 2100

cccacgccgc gccccgcgcc gccggaagtg aggtgtctga cccccgaagt tccggttcgc 2160

agggggtggg gagtgttgtt aaccggaggg gcagccgcag tcgcgcggat tgagcgggct 2220

cgcggcgctg ggttcctggt gagtggggcg aagtctggcc cgagttgtgg ttggggtcgg 2280

gacccgaacc ttccccttga ggtctccgga gtcggcacgc ccctcagccc cgccgcacgc 2340

tttcggcctg tcagctggcc ggagacctca gacgccggtg cggccgcttt gctcaagcct 2400

gggccctgcc tgcgacgccc gcaactcctg gtgctcacag gtgcgcggcc gcgagggcga 2460

cccggctcct cccgtcccgc tgctgctctc tcccgtcccg ctgtttttgt ggtgctctga 2520

gttgacacta ctccgggggt cgggggaccc caggattcca ggctgacgtt ccccgccccgc 2580

tcccgcaggg cgggcgtccg aactgcccac cctaacacag ctgtcaccgg cgctgtcgcc 2640

tgcccagcct gctatcctct gtgccttggc tgctctcagc cctggctgcg cattcccgcc 2700

cctggagcag atttctgctg ttgcctccca ccccatcttc tccaccggag ggtcagcggt 2760

gcagctcccc ctcctccaac attgcagctt ttcctcatca cctccctaga ggaggcggct 2820

tggcaggcag cgtggaaaga gccctagatt tgaagcaaga ctgacccagg ttccaggcct 2880

tgcgtcagtg tgatcactta acccccttcga gtctaatttg taaaatgggg tagcgtaagc 2940

tattctttgt ctgatgattt cgagggcgaa atgtgatttc ccccccactt tctcctatga 3000

attgaggctg tgccaggcac cgggctattt tgcacagcac gagcatcaca taagttattt 3060

tcttgcccca tgcaggtctc cgggccaggg ca 3092

<210> 3
<211> 19
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<400> 3
gcgccgccgt aagtgaggt 19

<210> 4
<211> 20
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<400> 4
aagtgagttg tcttaccccc 20

<210> 5
<211> 20
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<400> 5
actccgccaa gcccccgcgcc 20

<210> 6
<211> 20
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<400> 6
ccccgcgccg ccggaagtgt 20

<210> 7
<211> 20
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<400> 7
ccccgcgccg ccgtaagtgt 20

<210> 8
<211> 11
<212> DNA
<213> Homo sapiens

<400> 8
gccggaagtg a 11

<210> 9
<211> 6
<212> DNA
<213> Homo sapiens

<400> 9
tgaggt 6

<210> 10
<211> 10
<212> DNA
<213> Homo sapiens

<400> 10
gccgcgcccc 10

<210> 11
<211> 20

<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<400> 11
gcgccgccgg aagtgaggtg 20

<210> 12
<211> 20
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<400> 12
cacctcactt ccggcggcgc 20

<210> 13
<211> 20
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<400> 13
ttgccgtacc ctacttagcc 20

<210> 14
<211> 20

<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<400> 14
ggctaagtag ggtacggcaa 20